

From wwatson5 at sbcglobal.net Sat Jun 1 01:56:56 2019
From: wwatson5 at sbcglobal.net (William Watson)
Date: Sat, 1 Jun 2019 00:56:56 -0500
Subject: [BoatAnchors] Need a few Hallicrafters SX-100 knobs
Message-ID: <mailman.2014.1559368637.1247.boatanchors@lists.theporch.com>

I have been getting an SX-100 into good working condition for a friend and I need 4 knobs (or skirts) to finish it up right:

- ? RESPONSE knob with skirt, or just the skirt
- ? PITCH CONTROL knob with skirt, or just the skirt
- ? One main TUNING knob, with calibration skirt, or just the skirt
- ? Small NOTCH FREQ knob, with skirt, or just the skirt

If you could supply any of these, let me know what you would need for them shipped to me at the following address:

Joe Watson, W5WBR
1333 Smiling Hill Blvd
Edmond, OK 73013

Many thanks.

Joe

Sent from Mail for Windows 10

From k0dan at comcast.net Mon Jun 10 11:53:30 2019
From: k0dan at comcast.net (dt)
Date: Mon, 10 Jun 2019 10:53:30 -0500
Subject: [BoatAnchors] RF AMMETERS 4-SALE
In-Reply-To: <fab45ca3-d67f-e805-42f6-96c181e4a95d@comcast.net>
References: <mailman.720.1548737471.29182.boatanchors@lists.theporch.com>
<fab45ca3-d67f-e805-42f6-96c181e4a95d@comcast.net>
Message-ID: <e04c28ff-3fba-e31d-b2dc-d15bbfcf2c7d@comcast.net>

> I have a nearly-identical pair of 15A RF ammeters. Perfect for your
> balanced tuner or high-power amplifier projects. The meters are in
> very good condition, salvaged from BC939's. \$100 for the pair (will
> not separate), plus shipping.
>
> Contact me off list for photos or other info.
>
> Tnx es 73
>

> Dan
>
> KODAN
>
>

From k4wgd47 at gmail.com Sat Jun 15 04:02:20 2019
From: k4wgd47 at gmail.com (wg davis)
Date: Sat, 15 Jun 2019 04:02:20 -0400
Subject: [BoatAnchors] Looking for Tube Amps
Message-ID: <CAL+F86KL2pCw-8hiCk71w6CJ8HTFxCJnxyHA3MoR1Q8+7ovy8A@mail.gmail.com>

Hi Everyone,
I am looking to purchase some Amps like Dentron or Amp supply??
Tubes are Not required, I would like to try to install some the Russian
Tubes
in these amps.. I need plate voltages or 1200 volts to 2300 volts
depending on the use of a full wave bridge or doubler..
Thx.

--
73, K4WGD

From arc5 at ix.netcom.com Mon Jun 17 08:18:15 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Mon, 17 Jun 2019 07:18:15 -0500
Subject: [BoatAnchors] RAK / RAL Receivers: Couple of tips.
Message-ID: <000301d52506\$be070420\$3a150c60\$@netcom.com>

Been cleaning and reviving a WWII Navy RAK
receiver
which is going to Jim Sargent's next auction in
July.
The beautiful old beast has been patiently waiting
its
turn for about 25 years (I have another I mean to
keep).
De-Ox-it and lubricate,
work over the grounds, then powered and it came
right
up with no issues. 180V B+ plays with about 25mA
current.
Amazing machine; like opening a tomb that's been
sealed
for millennia, then the occupants sits-up and
says: "Good Morning!"

Those of us who know the RAK/RAL are familiar with

them know this, but for those who have yet to
light one up:

The "headphone" jack on the front of the radio
is NOT for the regular, single-circuit headphone
or for a matched, ground-returned speaker.

The audio output of these receivers is balanced
with a center-tap on the Audio Output transformer
secondary grounded. If you plug-in a
single-circuit

headphone with one side to the tip and one
side to the ground, you're shorting-out half of
the audio output secondary.

Why RCA snuck this "land mine" in to hoist
the unwary is a mystery.

So use a three-circuit plug if using the
front-panel jack.

An AM signal, like on the BCB, will sound
bassy and "distorted." Like a certain famous
person is reported to have said:

"This isn't a "bug," it's a "feature."

The RAK/RAL are optimized as CW receivers and
they excel at this, if one does not rail
the Sensitivity control. If one wishes to
listen to Rash Windbaugh on the BCB, perhaps
one could bypass the audio filters.

Anyone else want to add some good info
on resurrecting the RAK/RAL?

GL OM ES 73 DE Dave AB5S

From kd5byb at kd5byb.net Mon Jun 17 19:07:51 2019

From: kd5byb at kd5byb.net (Ben Hall)

Date: Mon, 17 Jun 2019 18:07:51 -0500

Subject: [BoatAnchors] RAK / RAL Receivers: Couple of tips.

In-Reply-To: <000301d52506\$be070420\$3a150c60\$@netcom.com>

References: <000301d52506\$be070420\$3a150c60\$@netcom.com>

Message-ID: <56d5b8cf-80c3-4810-5335-71d061fd11d7@kd5byb.net>

On 6/17/2019 7:18 AM, David Stinson via BoatAnchors wrote:

> Anyone else want to add some good info

> on resurrecting the RAK/RAL?

Absolutely! I've got an RAL on the bench in the garage and an RAK waiting it's turn in line. The RAK was a recent purchase from fleabay - cost three times to ship it what the unit itself cost...but made it here in good shape. ;)

Some here may recall my battle with the RAL's power supply - an arcing / sparking noise that wouldn't go away even after a week of baking in the "warm box." That turned out to be a defective filter that got replaced with a modern equivalent substitute. :)

Mechanically, the RAL is in great shape - just took a little cleaning and a little lubrication. Electrically...well...the rubber insulated wiring lost most of its insulation over the last 70+ years, so much of it has been replaced and there are a couple of caps still leaking oil yet to be replaced as well.

I hope to return to it this winter. :)

Haven't much looked at the RAK - it's missing the outer case but appears otherwise complete. Haven't had the bottom panel off yet, but so far, no signs of modification.

I wonder if there is a easy way to bypass the audio filters? I wouldn't mind using mine to listen to some AM BC.

thanks much and 73,
ben, kd5byb

From arc5 at ix.netcom.com Tue Jun 18 02:31:11 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 18 Jun 2019 01:31:11 -0500
Subject: [BoatAnchors] Decent AM Audio with the RAK Receiver.
Message-ID: <006f01d5259f\$6c4b9c60\$44e2d520\$@netcom.com>

Several people have expressed an interest in getting better AM audio from the RAK receiver without destructive modifications. The culprit is a low pass audio filter between the Detector and First Audio stages:

<https://photos.app.goo.gl/bxSwRhnheg5iWmE29>

This filter, L-107, severely attenuates highs- 40dB down for 1600 Hz and above. It's easy to disconnect and bypass this filter. The selectable audio filters will still function for CW. With

the filter bypassed and a properly-matched, a quality speaker or headphones, AM signals sound acceptable. Not "HiFi," but good communications audio.

Remove the receiver from the case. Use your engine block crane or a strong nephew to put the receiver on the bench on its right side:

<https://photos.app.goo.gl/cGSsvBUTc2T2Y2CR6>

Be careful tilting the rig or placing it "bottoms up" as one can break the power terminal strip or crush the coil cans, among other nastiness that will bite the careless.

Under the receiver bottom, remove the 87 screws holding the cover over the band switch/RF section. Someone I won't name (but I shave his face every day) had the sense to have a holder for all those screws handy, and the not-sense to set it too close to the edge of the bench. I really enjoyed crawling on that nasty floor to find the last screw and washer- oh, yes.

Bottom of the chassis, at the inside top near the rear, you'll find C122 (large brown mica mounted between a board of three resistors and a small oil-filled cap). There is a white wire connected to the inboard side of this cap. Unsolder it and move the end out of the way. Solder a nice long piece of insulated hook-up wire to this point (orange wire in the following photos):

<https://photos.app.goo.gl/a89jc56QPZwjpvcr8>

Route the wire through the bandswitch area toward the side of the switch enclosure nearest the front panel- make sure it's clear of the switch mechanicals. Route the wire out one of the holes on this side of the enclosure:

<https://photos.app.goo.gl/hGchYX6CV2KGsHLb9>

Underside of the rig, at the extreme upper left corner next to the front panel, there is a hole for passing wires to the chassis top. Route your wire through this hole:

<https://photos.app.goo.gl/UnT7bbqJeJm5jTxt8>

Top of the chassis, mounted on the inside of the front panel near the 6D6 1st Audio and 41 Audio PA is a terminal board with some resistors. At the top of this board is a terminal with a white wire and a blue wire. Disconnect the blue wire and move out of the way (yes; I did put heat shrink on these removed wires). Solder your new lead to this terminal:

<https://photos.app.goo.gl/WpeiMoAf4LuAQkyt5>

That's it. Your RAK should now play with decent AM audio and the switchable audio filters are still functional:

<https://photos.app.goo.gl/575SjtvwZxoKzX9X6>

P.S.

On the "tip" about not using a standard headphone plug:

I said "three circuit" when I should have said "two circuit." It's commonly called a "quarter inch Stereo headphone plug," which has a tip, a ring and a sleeve. Audio channels are the tip and ring, the sleeve is ground:

<https://photos.app.goo.gl/uBx5S47vhZSp25jU9>

Here's the audio output circuit:

<https://photos.app.goo.gl/WRH2cVyawhxPWntW9>

As you can see, the audio output is balanced with a center-tap to ground. Terminals 7 and 8 are audio out to an external controller. The other connection is for the headphone jack on the front panel. This is a "stereo," two-circuit jack:

<https://photos.app.goo.gl/r7QEduCGzJzoHehaA>

If you insert a common "single circuit" plug into this jack, its sleeve will short half the audio output transformer's secondary to ground. Speaker or headphones should be connected "tip to ring"

without connecting to the sleeve (ground) or, if you wish to use half the secondary winding, connect tip-to-sleeve or ring-to-sleeve and leave the other circuit open.

GL OM ES 73 DE Dave AB5S

From petef at sprynet.com Tue Jun 18 03:15:59 2019
From: petef at sprynet.com (Peter Ferrand)
Date: Tue, 18 Jun 2019 02:15:59 -0500
Subject: [BoatAnchors] RAK / RAL Receivers: Couple of tips.
In-Reply-To: <000301d52506\$be070420\$3a150c60\$@netcom.com>
References: <000301d52506\$be070420\$3a150c60\$@netcom.com>
Message-ID: <040a01d525a5\$ae1c00c0\$0a540240\$@sprynet.com>

Nice to hear some more about these radios.

I've had one for 20 years now. Didn't need anything that would qualify as resurrection, just replacement of the toggle switches (took a while to find black ones) and the filament meter. Just one failure over the years - a bypass cap.

I wonder if anyone has successfully connected a frequency counter to one. Not concerned about submarines and aircraft locating me. It would be an improvement over the dial, at least when the detector is oscillating but I can see negatively affecting the stability. I know it could be simple, just a high impedance buffer, but if someone has actually done it, it would be nice to hear about.

Pete
WB2QLL
Mount Pleasant, WI

From bluegrassdakine at hotmail.com Tue Jun 18 10:16:12 2019
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Tue, 18 Jun 2019 14:16:12 +0000
Subject: [BoatAnchors] RAK / RAL Receivers: Couple of tips.
In-Reply-To: <040a01d525a5\$ae1c00c0\$0a540240\$@sprynet.com>

References: <000301d52506\$be070420\$3a150c60\$@netcom.com>,
<040a01d525a5\$ae1c00c0\$0a540240\$@sprynet.com>

Message-ID:

<BL0PR04MB65153123DDAC29D328E7E915A9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>

What do they look like? Google didn't help!

There is nothing that warms the heart so, as gazing at your dog, who is sleeping on the couch, mentioning his name, and hearing thud-thud-thud as his tail hits the cushions.

On Jun 18, 2019, at 02:16, Peter Ferrand via BoatAnchors <boatanchors at lists.theporch.commailto:boatanchors at lists.theporch.com>> wrote:

Nice to hear some more about these radios.

I've had one for 20 years now. Didn't need anything that would qualify as
?????

From bluegrassdakine at hotmail.com Tue Jun 18 10:17:38 2019

From: bluegrassdakine at hotmail.com (Raymond Cote)

Date: Tue, 18 Jun 2019 14:17:38 +0000

Subject: [BoatAnchors] [Boatanchors] RAK / RAL Receivers: Couple of tips.

In-Reply-To:

<BL0PR04MB65153123DDAC29D328E7E915A9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>

References: <000301d52506\$be070420\$3a150c60\$@netcom.com>,
<040a01d525a5\$ae1c00c0\$0a540240\$@sprynet.com>,

<BL0PR04MB65153123DDAC29D328E7E915A9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>

Message-ID:

<BL0PR04MB6515F272C905382111D60D5EA9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>

Ok found pictures.

There is nothing that warms the heart so, as gazing at your dog, who is sleeping on the couch, mentioning his name, and hearing thud-thud-thud as his tail hits the cushions.

On Jun 18, 2019, at 09:16, Raymond Cote <bluegrassdakine at hotmail.commailto:bluegrassdakine at hotmail.com>> wrote:

What do they look like? Google didn't help!

There is nothing that warms the heart so, as gazing at your dog, who is sleeping on the couch, mentioning his name, and hearing thud-thud-thud as his tail hits the cushions.

On Jun 18, 2019, at 02:16, Peter Ferrand via BoatAnchors <boatanchors at lists.theporch.com<mailto:boatanchors at lists.theporch.com><mailto:boatanchors at lists.theporch.com>> wrote:

Nice to hear some more about these radios.

I've had one for 20 years now. Didn't need anything that would qualify as
?????

Boatanchors mailing list
Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>
Help: <http://mailman.qth.net/mmfaq.htm>
Post: <mailto:Boatanchors at mailman.qth.net>

List Administrator: Gary Harmon, K5JWK
** For Assistance: gharmon at idworld.net<<mailto:gharmon at idworld.net>> **

This list hosted by: <http://www.qsl.net>
Please help support this email list: <http://www.qsl.net/donate.html>
Message delivered to bluegrassdakine at hotmail.com<<mailto:bluegrassdakine at hotmail.com>>

From rbsingl at ilstu.edu Tue Jun 18 10:22:32 2019
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Tue, 18 Jun 2019 14:22:32 +0000
Subject: [BoatAnchors] [Boatanchors] RAK / RAL Receivers: Couple of tips.
In-Reply-To:
<BL0PR04MB6515F272C905382111D60D5EA9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>
References: <000301d52506\$be070420\$3a150c60\$@netcom.com>,
<040a01d525a5\$ae1c00c0\$0a540240\$@sprynet.com>,
<BL0PR04MB65153123DDAC29D328E7E915A9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>
<BL0PR04MB6515F272C905382111D60D5EA9EA0@BL0PR04MB6515.namprd04.prod.outlook.com>
Message-ID:
<DM6PR03MB4556F6DFBB13F184BD989C48B8EA0@DM6PR03MB4556.namprd03.prod.outlook.com>

Raymond,

Glad you found the photos, now you need to find the radios ?

They are a classic 1930s high quality regen design and are very easy to operate unlike some lesser regen designs. With the RF stages providing plenty of isolation and a stable detector design, you don't have to constantly fiddle with the regen level and there is enough gain pre and post detection that you don't have to have the detector on the verge of oscillation for good AM reception.

The only real drawback is they are big and heavy with their heavy external power supplies. But if you want to experience what a good regen can provide this LF/HF pair is the ticket.

Rodger WQ9E

From arc5 at ix.netcom.com Tue Jun 18 10:34:38 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 18 Jun 2019 09:34:38 -0500
Subject: [BoatAnchors] RAK Receiver Power Supply.
Message-ID: <000101d525e2\$f56bd8a0\$e04389e0\$@netcom.com>

The stock power supply for the RAK receiver supplies both 180V B+ and sorta-regulated 90V for the oscillator. However, there is a voltage divider built into the RAK that provides the 90V from a single 180V supply. If one regulates it- which is easily done with a FET these days, 180V is all you need. Mine is playing just peachy with only 180V.

73 Dave S.

From jerry.proc at sympatico.ca Tue Jun 18 11:07:11 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Tue, 18 Jun 2019 11:07:11 -0400
Subject: [BoatAnchors] The Rum Runners
Message-ID: <00fe01d525e7\$81f8b190\$85ea14b0\$@proc@sympatico.ca>

Hello Everyone,

I have just posted a story about the Rum Runners of the Prohibition era.

History records what they did but the article goes on explain how radio was used as a tool of the trade.

http://jproc.ca/radiostor/rum_runners_v2.pdf

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

From navy.radio at gmail.com Tue Jun 18 13:40:13 2019
From: navy.radio at gmail.com (Nick England)
Date: Tue, 18 Jun 2019 13:40:13 -0400
Subject: [BoatAnchors] The Rum Runners
In-Reply-To: <5d08fe25.1c69fb81.5ceff.b84cSMTPIN_ADDED_BROKEN@mx.google.com>
References: <5d08fe25.1c69fb81.5ceff.b84cSMTPIN_ADDED_BROKEN@mx.google.com>
Message-ID: <CAB55hNfwGP6UrhJqmD9EHMZOUqfAhVV2MTRepMcq0anmr7ps7Q@mail.gmail.com>

Thanks, Jerry - I recently read an interesting biography of Elizebeth Friedman who, among other things, was the US Coast Guard Chief Cryptologist during prohibition cracking rum-runner's coded radio messages.
<https://www.amazon.com/Woman-Who-Smashed-Codes-Outwitted/dp/0062430483>

Cheers,
Nick England K4NYW
www.navy-radio.com

On Tue, Jun 18, 2019 at 11:07 AM Jerry Proc <jerry.proc at sympatico.ca> wrote:

> Hello Everyone,
>
>
>
> I have just posted a story about the Rum Runners of the Prohibition era.
>
> History records what they did but the article goes on explain how radio was
> used as a tool of the trade.
>
> http://jproc.ca/radiostor/rum_runners_v2.pdf
>
>
>
> Regards,
>
> Jerry Proc
>
> jerry.proc at sympatico.ca
>
> Web: www.jproc.ca
>

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>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>

From k7sz at live.com Sat Jun 22 00:29:27 2019
From: k7sz at live.com (Rich Arland)
Date: Sat, 22 Jun 2019 04:29:27 +0000
Subject: [BoatAnchors] FS: Hallicrafters S-39/R80
Message-ID:
<BYAPR05MB47584342B76BE7C186ECE852F6E60@BYAPR05MB4758.namprd05.prod.outlook.com>

I picked up a very nice S-39 at an estate sale about 6 months ago with the intention of restoring it and putting it to use in the shack. However, things change, my shack is now tiny and I do not have room to place any boatanchor gear.

This receiver is in extremely good condition for being over 60 years old. The telescoping antenna is complete, works with no bent sections. This is basically general coverage receiver (500kHz to 30MHz). The rig is set up for DC operation via ten 9V batteries. This would make a very nice, easy restoration project for a beginner or intermediate restorer.

Therefore, the S-39 is up for sale. Pictures provided on request (serious inquiries only, please). Check "Radios by Hallicrafters" by Dachis (pg 49) for specifics.

Vy 73 es gud DX!

Rich Arland K7SZ WPE7BYR
Bent Dipole Ranch, Dacula, GA

"Faith is not about everything turning out ok. It's about being ok, no matter how things turn out."

From k4wgd47 at gmail.com Sun Jun 23 14:57:16 2019
From: k4wgd47 at gmail.com (wg davis)
Date: Sun, 23 Jun 2019 14:57:16 -0400
Subject: [BoatAnchors] Looking for Tube Amps
Message-ID: <CAL+F86+9hwf_RVPNNoyLi6i3n5dy=FqY8jjNgFRBNFi0q5vxBQ@mail.gmail.com>

I am still looking for Old Tube Amps that I can modify..
I have found 1, thx. Wilson..

Hi Everyone,

I am looking to purchase some Amps like Dentron or Amp supply or Clipperton ??

Tubes are Not required, I would like to try to install some the Russian Tubes

in these amps.. I need plate voltages or 1200 volts to 2300 volts depending on the use of a full wave bridge or doubler..

Thx.

--

73, K4WGD